

Claims

- 5 1. A fresh concrete, containing cement and aggregate, water and admixtures with superplasticizer C-3, hydrophobing agent and Lignopan B having the molecular weight of 10-50 kJ, characterized by antifoam as hydrophobing agent (139-282) and fixing salt and/or ammonium thiocyanate and/or sodium and/or sodium sulfate and sodium carbonate having the following ratio of components (parts by mass):
- 10
- | | |
|--|-----------|
| superplasticizer C-3 | 0-40 |
| the hydrophobing agent indicated | 0.02-0.06 |
| the Lignopan B indicated | 10-20 |
| fixing salt and/or ammonium thiocyanate and/or sodium and/or | |
| 15 sodium sulfate | 40-55 |
| sodium carbonate | 1-2, |
- having a content of the admixture of 0.6-1.5 parts by mass of the cement mass.
- 20 2. The fresh concrete as claimed in claim 1, characterized in that it contains the components indicated in the following ratio:
- | | |
|--------------|-----------------------------|
| cement | 300-500 kg/m ³ |
| 25 aggregate | 1590-2030 kg/m ³ |
| water | 105-200 kg/m ³ |
3. The fresh concrete as claimed in claim 1 or 2, characterized in that it contains coarse and/or fine aggregate.
- 30 4. The fresh concrete as claimed in claim 3, characterized by gravel and/or construction sand as coarse aggregate.
5. The fresh concrete as claimed in claim 3 or 4, characterized by coarse aggregate of particle size 5-20 or 5-40 mm.
- 35 6. The fresh concrete as claimed in any of claims 3 to 5, characterized by sand having the size of not more than 5 mm as fine aggregate.

7. The fresh concrete as claimed in any of claims 3 to 6, characterized by at least one component of the following group as fine aggregate: quartz sand, eruptive rock sand, metamorphic sand, expanded clay sand, iron slag sand.

8. The fresh concrete as claimed in any of claims 3 to 7, characterized by at least one component of the following group as coarse aggregate: eruptive rock gravel, metamorphic gravel, sedimentary rock gravel, iron slag gravel, crushed expanded clay and crushed expanded slag.

9. An admixture for fresh concrete comprising superplasticizer C-3 and hydrophobing agent Lignopan B having the molecular weight of 10-50 kJ, characterized by antifoam as hydrophobing agent (139-282) and fixing salt and/or ammonium thiocyanate and/or sodium and/or sodium sulfate and sodium carbonate having the following ratio of components (parts by mass):

superplasticizer	0-40
the hydrophobing agent indicated	0.02-0.06
the Lignopan B indicated	10-20
fixing salt and/or ammonium thiocyanate and/or sodium and/or	
sodium sulfate	40-55
sodium carbonate	1-2